



Caltrans Division of Research,
Innovation and System Information

Research Results

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Project Title:

2012 Multi-State Transportation Asset Management (TAM) Implementation Workshop, TPF-5(245)

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Transportation Asset Management Multistate Collaborative Workshop

Workshops facilitate the knowledge and exchange of transportation management information among states

WHAT WAS THE NEED?

Transportation asset management involves maintaining, upgrading, and operating transportation assets through their lifecycle to maximize their social benefits. To effectively address the changes in today's transportation environment, new technology advances, and limited resources, better decision-making based on well-researched information and well-defined objectives is needed.

Every state possesses transportation assets and generates knowledge on how to manage them, yet the transportation sector lacks a systematic approach to synthesize, share, and disseminate this information so that others can benefit. Defining common management strategies, systems, and tools requires investigation, training, and technology transfer. Many state and local transportation organizations are interested in implementing asset management—to date, more than 25 states have undertaken several forms of the initiative. State transportation departments need a forum to share information and learn how to better implement asset management.

WHAT WAS OUR GOAL?

The goal was to provide a conduit for sharing information and enhancing the practical knowledge of member states to improve asset management implementation.



Managing the breadth of transportation assets is critical for maintaining the health of the system cost effectively.



DRISI provides solutions and knowledge that improve California's transportation system.

WHAT DID WE DO?

The Federal Highway Administration (FHWA) retained Caltrans, in partnership with the Transportation Research Board (TRB), to provide workshops for member states participating in the transportation asset management consortium to learn and review issues associated with implementing asset management and share best practices and strategies for overcoming challenges. One workshop focused on how to communicate preservation needs to transportation organizations and the general public to bring the crucial issue of maintenance to the forefront and build broad support. Another workshop explored through real-world examples how to increase innovation to maximize results and deliver more with less funding. Member states also worked together to organize the TRB-sponsored 2012 Asset Management conference.

WHAT WAS THE OUTCOME?

The TRB and the American Association of State Highway and Transportation Officials, with support from the FHWA's Office of Asset Management, hosted the 9th National Conference on Transportation Asset Management from April 16-18, 2012, in San Diego, California. The conference, attended by 30 state departments of transportation and 20 metropolitan planning organizations, provided transportation agencies a forum to identify successful strategies for implementing transportation asset management principles. Speakers described how to apply asset management concepts to pavement and bridge assets and nontraditional assets, such as traffic management systems and data resources.

The conference addressed four major areas:

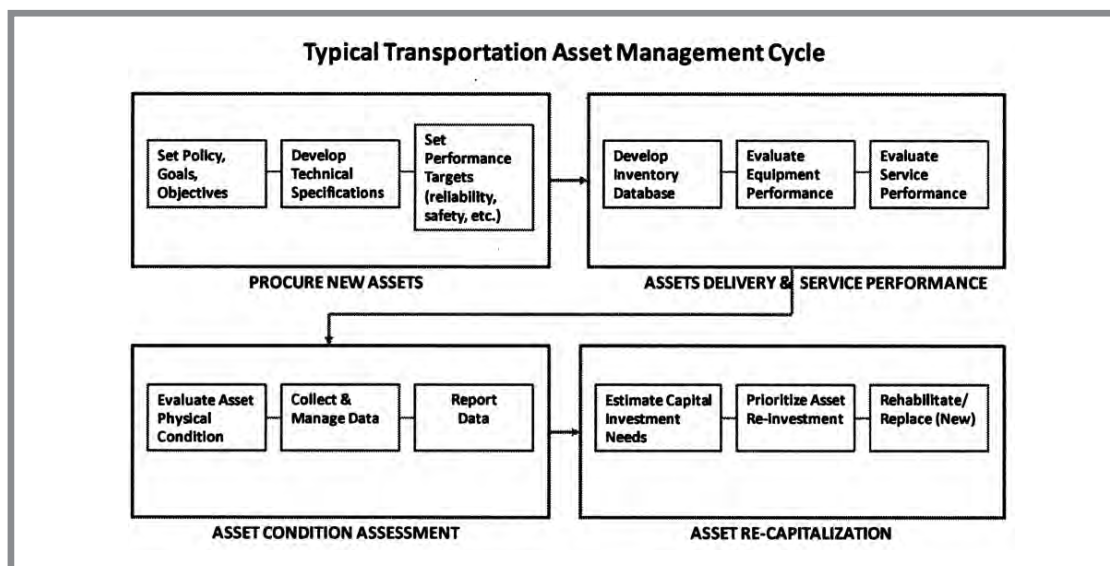
- Implementation—How to account for risk, and develop and implement systematic improvements and tools.
- Beyond pavements and bridges—Examined aspects that distinguish geotechnical and ancillary structures, signs, and sidewalks assets from pavement and bridges and how agencies can manage these assets through similar strategic principles.
- Good practices for managing and operating pavement and bridge assets—Reviewed successful asset management initiatives to improve decision-making.
- State of transit repair—Analyzed the U.S. transit system in terms of current operations and management standards and sources of financial support for repair initiatives.

WHAT IS THE BENEFIT?

Today's transportation needs cover a broad array of assets and technologies. Asset management offers transportation professionals the tools, processes, and information to make sound investment decisions and effectively manage these assets to improve longevity. States participating in the transportation asset management consortium shared resources and ideas to prevent the duplication of efforts. The workshops and conference enabled transportation agencies to work in partnership and establish an asset management agenda for the next several years.

LEARN MORE

For information on the 2012 conference and presentations:
www.cvent.com/events/9th-national-conference-on-transportation-asset-management/event-summary-6bd59c28b3bf4628a9ff70aa674ccbfc.aspx



Flow and approach to challenges in each phase of the asset management cycle